SHIP SYSTEM	SUBSYSTEM	MRC CODE	
Ventilation			R-
SYSTEM	EQUIPMENT	RATES GS-11/12	M/H 40.0
	Ventilation Systems		
MAINTENANCE REQUIREMENT DESCRIF 1. Conduct SNAPSHOT insp ship's ventilation sy	TOTAL M/H 40.0 ELAPSED TIME		
Afloat, OPNAVINST 510 2. Ensure all tag-out pr shipboard instruction 3. Consider all electric proven they are de-en 4. Never attempt to clea is energized. 5. Avoid repeated/prolon Wash affected areas w or prior to eating, d 6. Ensure fan blades are inspection. If necess	ocedures are in accordance as. al leads to be energized w	with curr until posit while fan ardous mate ompletion c ying cosmet attemptin s stopped,	ent ively motor rials. ff task ics. g this
TOOLS, PARTS, MATERIALS, TEST EQUIF TEST EQUIPMENT 1. [3087] Multimeter, AC 20K/VDC, SCAT-4245, Simpson 260/6XLP MATERIALS 1. [0307] Container (all types), No NSN W/C provide 2. [0365] Detergent, gen	TOOLS 1. [1170] Mirror 2. [1172] Screwd tip, 4", # 2 nonspark/nonm 3. [1451] Wrench 1/4" sq drive 1/2", 13 PC 4. [2271] Flashl	river, cros phillips, ag set, socke , 3/16" to ight, Type	et, %
purpose, P-D-1747 Hazardous Material Us Guide (HMUG) Group 7, Disposal Method 3 3. [1102] Rags, wiping 4. [1144] Tag, safety 5. [2610] Brush, plater' hand	5. [3886] Screwd ser's tip, 6" MISCELLANEOUS 1. [0525] Gloves protective, N	river, flat , chemical atural/syn	
only; critical technology document shall be referre 04TD). Destroy by any met	to DOD components and DOD (; August 1997. Other requed to Naval Sea Systems Control that will prevent dis	ests for th mmand (SEA	87 nis
contents or reconstruction		DATE August 1997	'

HAZARDOUS MATERIALS CONTROL STATEMENT (U)

The Hazardous Material Users Guide (HMUG), OPNAV P-45-110-91, provides additional control measures, precautions, personal protective equipment (PPE), and spill controls for the hazardous material(s) identified in the Tools, Parts, Materials, Test Equipment block.

4. [3707] Goggles, industrial

TOOLS, PARTS, MATERIALS, TEST EQUIPMENT (Contd)

MISCELLANEOUS (Contd)

- [3215] Respirator, air filtering, Disposable mask, 20 EA
- 3. [3500] Cleaner, vacuum, electric, Floor mod, vert tank, wet or dry pick-up

NOTE: Numbers in brackets can be referenced to Standard PMS
Materials Identification Guide (SPMIG) for stock number
identification.

PROCEDURE

- NOTE 1: Accomplish inspection before availability, after availability, and before deployment.
- NOTE 2: Number of man-hours assigned is average for DD-class ships and may require adjustment for larger class of ships.
- ${\bf NOTE~3:}$ Upon completion of inspections, fill out Summary Sheet and return to Code 923.
- NOTE 4: Visually inspect the ships Ventilation System to include but no limited to Sick Bay and Isolation Wards for cleanliness, proper support, (includes Sound Isolation Devices), rust and corrosion, components installed (includes Gages and Label Plates), damage and deterioration, (includes Lagging), missing parts, tightness of bolts and casings/joints/seal to determine material condition. Include (as applicable):

Ducts and Plenums
Supports
Floats and Diffusers
Dehydrators
Wire Mesh Screens
Flanges and Shutters
Flame Arrestors
Insulation
Filters and Screens
Dehumidifiers
Hoods and Fans
Cooling Coils
Flame Arrestors

- NOTE 5: This inspection does not include:
 - a. Air Conditioning Plants (51422)
 - b. Lagging (50811) (50812)
 - c. Power Cable (32111)

1. Conduct SNAPSHOT Inspection Procedure for Ship's Ventilation System.

- a. Inspect ventilation supply and exhaust ducting, and plenum interior.
 - (1) Remove access plates.
 - (2) Inspect interior of ducting and plenums for dirt accumulation, rust and cracks.

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PROCEDURE (Contd) (3) Reinstall access plates. b. Inspect wire mesh screens. (1) Visually inspect screens for signs of deterioration, damage, or missing sections. c. Inspect insulation. (1) Visually inspect insulation for signs of deterioration, damage, or missing sections. d. Inspect ducting supports. (1) Visually inspect ducting supports for deterioration, rust, damage or missing parts. (2) Ensure support hardware is intact and there are no missing parts. e. Inspect ducting flanges/shutters. (1) Visually inspect duct flanges and shutters for rust, damage, missing or loose hardware. Inspect shutters for binding, bent or missing parts. (2) Visually inspect flange gaskets for deterioration or signs of leakage. f. Inspect filters/screens/floats/diffuser/flame arrestors. (1) Visually inspect filters and screens for cleanliness, signs of deterioration, and restricted air flow. (2) Inspect gasket in filter access cover, if applicable, for signs of deterioration. (3) Inspect floats for corrosion, pin holes, and foreign matter. (4) Inspect diffusers and flame arrestors for corrosion and foreign matter. g. Inspect dehumidifiers/dehydrators/cooling coils. (1) Visually inspect dehumidifiers, dehydrators, and cooling coils for signs of leakage, clogged drains, missing parts, rust and deterioration, corrosion, and foreign matter. (2) Inspect stainers and filters for clogging and deterioration. (3) Inspect gages for damage and current calibration w 유 (4) Visually inspect associated piping for signs of leakage, deterioration, rust and proper support. œ h. Inspect grease interceptor hood. NOTE 6: Ships Force to provide personnel to drain, disconnect, and clean detergent line and foot valve in detergent tank in preparation for inspection. WARNING: Never attempt to clean grease interceptor hood while fan motor is energized. WARNING: Avoid repeated/prolonged skin contact with hazardous materials. Wash affected areas with soap and water upon completion of task or prior to eating, drinking, smoking, or applying cosmetics. (1) Inspect grease interceptor hood detergent tank. (a) Drain detergent tank. (b) Disconnect detergent line from pump. (c) Remove detergent line and foot valve from detergent tank. (d) Clean detergent tank; inspect tank for cracks and interior for foreign matter. z

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PROCEDURE (Contd)	
(2) Inspect grease interceptor hood foot valve. (a) Remove foot valve from detergent line.	
(a) Remove root varve from detergent line. (b) Disassemble foot valve.	
(c) Inspect screen for breaks and clogged perforations	
(d) Reassemble foot valve.	
(e) Reinstall foot valve on detergent line.	
(f) Reinstall foot valve and detergent line on detergent tank.	nt
(g) Inspect all connections for tightness.	
(h) Fill detergent tank with detergent mixed to	
manufacturer's specifications.	
(i) Remove safety tag.(j) Return equipment to readiness condition.	
i. Inspect ventilation fan.	
NOTE 7: Ships Force to provide personnel, as required, to clean interior of ventilation fans in preparation for inspectio	n.
CAUTION: Prior to de-energizing equipment serving electronic spac that would be adversely affected by a temporary temperature increase caused by a lack of ventilation, ma	
proper notification.	
WARNING: Consider all electrical leads to be energized until	
positively proven they are de-energized.	
WARNING: Ensure all tag-out procedures are in accordance with current shipboard instructions.	
(1) De-energize vent motor and controller and tag "Out of Service."	
NOTE 8: If access at inlet to fan is not installed, have access installed.	PAGE
(2) Remove fan access cover at fan or immediate ducting as applicable to gain access for inspecting fan.	4 OF 8
NOTE 9: In some spaces, it may be necessary to close all hatches and doors to prevent fan rotation.	
WARNING: Ensure fan blades are completely stopped before	
attempting to perform inspections. If necessary, once	
fan rotation has stopped, place a wood pole between	
blades to prevent further rotation.	
(3) Clean interior of housing using a vacuum cleaner and	
brush as required. (4) Where required, remove accumulated grease and dirt	
with rags and detergent solution.	
(5) Inspect interior of housing for rust, cracks, scraped	
areas, etc. (6) Clean impeller blades using brush or rags saturated	
with detergent solution, as required. Where	
necessary, rotate impeller to provide access to	ן
blades.	AAAA
(7) Inspect blades for cracks, pitting, dents, or any scraping damage.	Ļ
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PROCEDURE(Contd) (8) Reinstall fan section access cover or ducting as	
applicable. (9) Remove safety tag and return equipment to readiness	
condition.	
Upon completion of inspection, record all results on data sheets and forward to SUPSHIP Portsmouth Code 923 for retention	ı
and analysis.	
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DATE: INSPECTOR:	DISCREPANCY/REPAIR SUMMARY Supply duct at forward bulkhead is missing 2' of fiberclass insulation				
DATE: INSPEC	# SAT/UNSAT UNSAT				
N SYSTEM SAMPLE	LOCATION VENT SYSTEM 3-135-2-L S3-140-2				
SHIP: TITLE: VENTILATION SYSTEM SWLIN: 51211	COMPARTMENT Crew Living Space				

PROCEDURE (Contd)		ı ı	1 1			ì	
DATE: INSPECTOR:	DISCREPANCY/REPAIR SUMMARY						
	SAT/UNSAT					Ī	P/
	VENT SYSTEM #						PAGE 7 OF 8
on system	LOCATION						
2: A. VENTILATION SYSTEM	COMPARTMENT						<u> </u>
SHIP: TITLE:						,	AAAA N

DISPOS		ODS	FOR HAZARDOUS MATERIAL/WASTE IDENTIFIED IN THE	
TOOLS,	PARTS,	MA	TERIAL, AND TEST EQUIPMENT BLOCK	
	Method	3:	Discharge overboard outside of 12 nm of U.S. sho Instructions on discharge in foreign water shoul be requested from Shipboard Hazardous Waste Coordinator. If material is an acid or alkali, follow neutralization instructions in Naval Ship Technical Manual (NSTM) S9086-T8-STM-010/CH-593, Pollution Control. Store packaging and container for reuse or dispose as solid waste, in accordan with NSTM, Chapter 593.	d s' s
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